EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13	("3981486" | "4789910" | "4807073" | "5048175" | "5122916" | "5483392" | "5771568" | "5772797" | "5820980" | "5898548" | "5923502" | "6034847" | "RE29326").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L2	24	("3813692" | "3814863" | "4024489" | "4354212" | "4423451" | "4523243" | "4642716").PN. OR ("4807073").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L3	375667	(alumina or (al with o with L2) or aluminum adj2 oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L4	375667	(alumina or (al with o with L2 with L3) or aluminum adj2 oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L5	518930	(si with o with L2) or silicon adj2 dioxide or dielectric	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L6	44278	L4 same L5	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L7	4739073	pad or contacts or lead or stud	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L8	8494	L6 same L7	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L9	257	L8 and "360".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L10	3	("2003/0165034").URPN.	USPAT	OR	ON	2009/03/13 17:53
L11	34	("20020006018" | "20030151858" | "20030153103" | "20030165034" | "4853810" | "5283942" | "5303105" | "5377058" | "5452164" | "5636088" | "5640753" | "5663856" | "5710683" | "5771570" | "5793207" | "5896243" | "5896244" | "5898542" | "5909340" | "5949627" | "5991113" | "6074566" | "6078455" | "6154952" | "6212040" | "6252741" | "6366428" | "6441994").PN. OR ("6813118").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53

L12	59	("5079035" | "5268806" | "5285339" | "5325253" | "5341118").PN. OR ("5434826").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L13	178598	(alumina or (al with o with L2 with L3) or aluminum adj2 oxide)	JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L14	2493449	pad or contacts or lead or stud	JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L15	305353	(si with o with L2) or silicon adj2 dioxide or dielectric	JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L16	1356	L13 same L14 same L15	JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L17	1193193	transducer$1 or head$1 or slider$1	JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L18	51	L16 and L17	JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L19	2493449	pad or contact or lead or stud	JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L20	3266	L13 and L19 and L15	JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L21	1910	L20 not L16	JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L22	107	L17 and L21	JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L23	115	alumina adj2 undercoat	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L24	1231	stud and "360".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L25	1	contact adj pad same undercoat same dielectric	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L26	0	contact adj pad same undercoat same dielectric	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L27	1	pad same undercoat same dielectric	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L28	2	lead same undercoat same dielectric	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L29	47543	lead same insulat$4	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53

L30	24	("3813692" | "3814863" | "4024489" | "4354212" | "4423451" | "4523243" | "4642716").PN. OR ("4807073").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L31	375667	(alumina or (al with o with L30) or aluminum adj2 oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L32	709205	(pad or contact or lead or stud) same ((si with o with L30) or silicon adj2 dioxide or dielectric or alumina or (al with o with L30 with L31) or aluminum adj2 oxide or insulat$4)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L33	159787	(transducer$1 or head$1 or slider$1) and L32	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2009/03/13 17:53
L34	163859	(pad or contact or lead or stud) same ((si with o with L30) or silicon adj2 dioxide or dielectric or alumina or (al with o with L30 with L31) or aluminum adj2 oxide or insulat$4) same dielectric	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L35	1904986	(transducer$1 or head$1 or slider$1)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L36	27874	L34 and L35	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L37	278921	(pad or contact or lead or stud) same ((si with o with L30) or silicon adj2 dioxide or dielectric or alumina or (al with o with L30 with L31) or aluminum adj2 oxide or insulat$4 or dielectric) same (undercoat or under adj2 coat or layer)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L38	60455	"360".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L39	5146	L37 and L38	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L40	48608	L37 and L35	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L41	7291451	between or interpos$3 or interced$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L42	155917	L37 same L41	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L43	1225560	magnet$3 or electro adj magnet$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L44	128806	L43 with L35	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53

L45	151251	(pad or contact or lead or stud) with ((si with o with L30) or silicon adj2 dioxide or dielectric or alumina or (al with o with L30 with L31) or aluminum adj2 oxide or insulat$4 or dielectric) with (undercoat or under adj2 coat or layer)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L46	0	("2002/0131217").URPN.	USPAT	OR	ON	2009/03/13 17:53
L47	3	("2001/0004797").URPN.	USPAT	OR	ON	2009/03/13 17:53
L48	293	(360/234.5).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:53
L49	22	("4564723" | "4636900" | "4819094" | "4926007" | "4962437" | "5491597" | "5608591" | "5694272" | "5737152" | "5754369" | "5871655" | "5896249" | "5946163" | "5959808" | "5995328" | "6028748" | "6088235" | "6487047" | "6487048").PN. OR ("6839202").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L50	20	("5666717" | "5687479" | "5712749" | "5717547" | "5737152" | "5754369" | "5796552" | "5809634" | "5812344" | "5844753" | "5854724" | "5933293" | "5978177" | "5986853" | "5995329" | "6004473" | "6028748" | "6035530").PN. OR ("6487047").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L51	12	("4313262" | "5750415").PN. OR ("6035530").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L52	12	("5516720" | "5814555" | "5837618" | "5872064" | "5882968" | "5918152" | "5953625" | "6035530").PN. OR ("6232214").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L53	59	("4761699" | "4819094" | "4996623" | "5001583" | "5006946" | "5034091" | "5196377" | "5231756" | "5391842" | "5473488" | "5491597" | "5519552" | "5528819" | "5530604" | "5539596" | "5597496").PN. OR ("5737152").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53

L54	27	("5001583" | "5666717" | "5680274" | "5687479" | "5712749" | "5717547" | "5737152" | "5754369" | "5796552" | "5809634" | "5812344" | "5844753" | "5854724" | "5933293" | "5955176" | "5978177" | "5982584" | "5986853" | "5995329" | "6004473" | "6028748" | "6035530" | "6146813" | "6282064" | "6326301" | "6475903" | "RE37869").PN. OR ("6731467").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L55	10	("3981486" | "6034847" | "5820980" | "5048175" | "4789910" | "RE29326" | "5122916" | "5772797" | "5771568" | "5483392").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L56	48	("4799118" | "5126907" | "5239435" | "5301079" | "5315468" | "5343422" | "5435053" | "5438747" | "5465185" | "5590008" | "5652687" | "5805391" | "5828533").PN. OR ("6034847").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L57	349	(360/322).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:53
L58	1	("6122148").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:53
L59	5	("5473486" | "5986851").PN. OR ("6122148").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L60	22	("4219853" | "5184393" | "5237476" | "5301077").PN. OR ("5473486").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L61	8	("5270888" | "5473486" | "5781377" | "5986851").PN. OR ("6373659").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L62	141	(360/234.3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:53
L63	184	(360/234.7).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:53
L64	18	("4893203" | "5083365").PN. OR ("5469312").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L65	12	("4639803" | "4796127").PN. OR ("4893203").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53

L66	15	("4139442" | "4214946" | "4855854" | "4893203" | "5146379" | "5198934" | "5271802" | "5323283" | "5635082" | "5652687" | "5687045" | "5861103" | "5985163").PN. OR ("6623652").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L67	24	("4219853" | "4317149" | "4405960" | "4759118" | "4800454" | "4809103" | "4823205").PN. OR ("5001591").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L68	8	("4856181" | "4949209" | "5001591" | "5326429" | "5650897" | "5738931" | "6232563").PN. OR ("6476485").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L69	53	("3813693" | "3975773" | "4149205" | "4152741").PN. OR ("4317149").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L70	66	("3414971" | "3846841" | "3855625" | "3908194" | "4001890" | "4130847" | "Re29326").PN. OR ("4219853").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L71	2359	bull and wawick ceramic	IBM_TDB	OR	ON	2009/03/13 17:53
L72	0	bull and wawick and ceramic	IBM_TDB	OR	ON	2009/03/13 17:53
L73	0	bull and wawick	IBM_TDB	OR	ON	2009/03/13 17:53
L74	0	bull and cermic	IBM_TDB	OR	ON	2009/03/13 17:53
L75	1	bull and ceramic	IBM_TDB	OR	ON	2009/03/13 17:53
L76	0	"1972" and L63 and L55	IBM_TDB	OR	ON	2009/03/13 17:53
L77	0	wawick and ceramic	IBM_TDB	OR	ON	2009/03/13 17:53
L78	37	ceramic and slider	IBM_TDB	OR	ON	2009/03/13 17:53
L79	7306	composite head	IBM_TDB	OR	ON	2009/03/13 17:53
L80	96	composite and head	IBM_TDB	OR	ON	2009/03/13 17:53
L81	3844	alignment sliders	IBM_TDB	OR	ON	2009/03/13 17:53
L82	39	alignment and sliders	IBM_TDB	OR	ON	2009/03/13 17:53

L83	24	("4219853" | "4317149" | "4405960" | "4759118" | "4800454" | "4809103" | "4823205").PN. OR ("5001591").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L84	1	("5283491").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:53
L85	1	("5048175").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:53
L86	1	10/087332	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L87	528	(hard adj bake or hardbake) with photoresist	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L88	71	"360".clas. and L87	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 17:53
L89	2	((hard adj bak$3 or hardbak$3) with photoresist) and (silicon adj dioxide or (Si with O)) and (mr or DOMR or mre or magneto adj resist$5 or magnetoresist$5 or amr or magnetic$4 adj resist$5 or gmr$1 or spin adj valve$1 or svmr$1 or tjmr$1 or tmj$1 or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or DSV or TJM or macro adj magnetoresist$5 or macromagnetoresist$5 or piggyback or ((composite or combination or merged) adj4 head$1)).ti,ab,clm.	JPO; DERWENT	OR	ON	2009/03/13 17:53
L90	9	((hard adj bak$3 or hardbak$3) with photoresist) and (silicon adj dioxide or (Si with O))	JPO; DERWENT	OR	ON	2009/03/13 17:53
L91	621	((hard adj bak$3 or hardbak$3) with photoresist) and (silicon adj dioxide or (Si with O))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L92	46	((hard adj bak$3 or hardbak$3) with photoresist) and (silicon adj dioxide or (Si with O)) and (mr or DOMR or mre or magneto adj resist$5 or magnetoresist$5 or amr or magnetic$4 adj resist$5 or gmr$1 or spin adj valve$1 or svmr$1 or tjmr$1 or tmj$1 or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or DSV or TJM or macro adj magnetoresist$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53

		or macromagnetoresist$5 or piggyback or ((composite or combination or merged) adj4 head$1)).ti,ab,clm.				
L93	22	((hard adj bak$3 or hardbak $3 or cured) with photoresist) same (silicon adj dioxide or (Si with O)) same dielectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/13 17:53
L94	1	("5966800").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:53
L95	3	(("5966800") or ("6122148") or ("5001591")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:53
L96	1	("4807073").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 19:13
L97	1	("5805390").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 19:14
L98	1	(electrical contact pad conducting stud substrate magnetic head).clm.	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/13 19:34
S1	13	("3981486" | "4789910" | "4807073" | "5048175" | "5122916" | "5483392" | "5771568" | "5772797" | "5820980" | "5898548" | "5923502" | "6034847" | "RE29326").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:03
S2	20	("3813692" | "3814863" | "4024489" | "4354212" | "4423451" | "4523243" | "4642716").PN. OR ("4807073").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:16
S3	279322	(alumina or (al with o with S2) or aluminum adj2 oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:17
S4	279322	(alumina or (al with o with S2 with S3) or aluminum adj2 oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:39
S5	345577	(si with o with S2) or silicon adj2 dioxide or dielectric	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:58
S6	27906	S4 same S5	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:18
S7	3687519	pad or contacts or lead or stud	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:39
S8	5653	S6 same S7	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:20
S9	154	S8 and "360".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:20
S10	1	("2003/0165034").URPN.	USPAT	OR	ON	2005/05/11 09:23

S11	28	("20020006018" | "20030151858" | "20030153103" | "20030165034" | "4853810" | "5283942" | "5303105" | "5377058" | "5452164" | "5636088" | "5640753" | "5663856" | "5710683" | "5771570" | "5793207" | "5896243" | "5896244" | "5898542" | "5909340" | "5949627" | "5991113" | "6074566" | "6078455" | "6154952" | "6212040" | "6252741" | "6366428" | "6441994").PN. OR ("6813118").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:23
S12	49	("5079035" | "5268806" | "5285339" | "5325253" | "5341118").PN. OR ("5434826").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 09:33
S13	127999	(alumina or (al with o with S2 with S3) or aluminum adj2 oxide)	JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 09:39
S14	2054271	pad or contacts or lead or stud	JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 09:59
S15	228308	(si with o with S2) or silicon adj2 dioxide or dielectric	JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 09:40
S16	449	S13 same S14 same S15	JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 09:42
S17	979540	transducer$1 or head$1 or slider$1	JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 14:09
S18	25	S16 and S17	JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 09:58
S19	2054271	pad or contact or lead or stud	JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 14:06
S20	837	S13 and S19 and S15	JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 09:59
S21	388	S20 not S16	JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 10:03
S22	28	S17 and S21	JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 09:59
S23	85	alumina adj2 undercoat	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:04

S24	1060	stud and "360".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 13:49
S25	1	contact adj pad same undercoat same dielectric	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:05
S26	0	contact adj pad same undercoat same dielectric	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 14:05
S27	1	pad same undercoat same dielectric	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 14:05
S28	2	lead same undercoat same dielectric	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 14:06
S29	42071	lead same insulat$4	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 14:06
S30	20	("3813692" | "3814863" | "4024489" | "4354212" | "4423451" | "4523243" | "4642716").PN. OR ("4807073").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:08
S31	279322	(alumina or (al with o with S30) or aluminum adj2 oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:08
S32	557433	(pad or contact or lead or stud) same ((si with o with S30) or silicon adj2 dioxide or dielectric or alumina or (al with o with S30 with S31) or aluminum adj2 oxide or insulat$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:10
S33	128728	(transducer$1 or head$1 or slider$1) and S32	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/05/11 14:10
S34	111366	(pad or contact or lead or stud) same ((si with o with S30) or silicon adj2 dioxide or dielectric or alumina or (al with o with S30 with S31) or aluminum adj2 oxide or insulat$4) same dielectric	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:10
S35	1534066	(transducer$1 or head$1 or slider$1)	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:16
S36	19010	S34 and S35	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:10
S37	189349	(pad or contact or lead or stud) same ((si with o with S30) or silicon adj2 dioxide or dielectric or alumina or (al with o with S30 with S31) or aluminum adj2 oxide or insulat$4 or dielectric) same (undercoat or under adj2 coat or layer)	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:16

S38	48535	"360".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:11
S39	3241	S37 and S38	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:11
S40	32737	S37 and S35	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:12
S41	5626296	between or interpos$3 or interced$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:13
S42	110425	S37 same S41	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:13
S43	6240072	between or interpos$3 or interced$3 or on or above or below	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:13
S44	131850	S43 same S37	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:14
S45	22773	S35 and S44	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:15
S46	837619	magnet$3 or electro adj magnet$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:15
S47	96948	S46 with S35	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:16
S48	3915	S44 and S47	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:16
S49	94632	(pad or contact or lead or stud) with ((si with o with S30) or silicon adj2 dioxide or dielectric or alumina or (al with o with S30 with S31) or aluminum adj2 oxide or insulat$4 or dielectric) with (undercoat or under adj2 coat or layer)	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:17
S50	35241	S49 with S43	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:17
S51	1240	S47 and S50	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 14:18
S52	0	("2002/0131217").URPN.	USPAT	OR	ON	2005/05/11 14:25
S53	0	("2001/0004797").URPN.	USPAT	OR	ON	2005/05/11 14:36
S54	177	(360/234.5).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/11 14:36

S55	19	("4564723" | "4636900" | "4819094" | "4926007" | "4962437" | "5491597" | "5608591" | "5694272" | "5737152" | "5754369" | "5871655" | "5896249" | "5946163" | "5959808" | "5995328" | "6028748" | "6088235" | "6487047" | "6487048").PN. OR ("6839202").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 16:02
S56	19	("5666717" | "5687479" | "5712749" | "5717547" | "5737152" | "5754369" | "5796552" | "5809634" | "5812344" | "5844753" | "5854724" | "5933293" | "5978177" | "5986853" | "5995329" | "6004473" | "6028748" | "6035530").PN. OR ("6487047").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 16:03
S57	11	("4313262" | "5750415").PN. OR ("6035530").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 16:04
S58	8	("5516720" | "5814555" | "5837618" | "5872064" | "5882968" | "5918152" | "5953625" | "6035530").PN. OR ("6232214").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 09:27
S59	42	("4761699" | "4819094" | "4996623" | "5001583" | "5006946" | "5034091" | "5196377" | "5231756" | "5391842" | "5473488" | "5491597" | "5519552" | "5528819" | "5530604" | "5539596" | "5597496").PN. OR ("5737152").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 09:30
S60	27	("5001583" | "5666717" | "5680274" | "5687479" | "5712749" | "5717547" | "5737152" | "5754369" | "5796552" | "5809634" | "5812344" | "5844753" | "5854724" | "5933293" | "5955176" | "5978177" | "5982584" | "5986853" | "5995329" | "6004473" | "6028748" | "6035530" | "6146813" | "6282064" | "6326301" | "6475903" | "RE37869").PN. OR ("6731467").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 09:37
S61	10	("3981486" | "6034847" | "5820980" | "5048175" | "4789910" | "RE29326" | "5122916" | "5772797" | "5771568" | "5483392").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 09:37

S62	37	("4799118" | "5126907" | "5239435" | "5301079" | "5315468" | "5343422" | "5435053" | "5438747" | "5465185" | "5590008" | "5652687" | "5805391" | "5828533").PN. OR ("6034847").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 09:45
S63	252	(360/322).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/12 10:21
S64	1	("6122148").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/12 10:21
S65	4	("5473486" | "5986851").PN. OR ("6122148").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 10:54
S66	19	("4219853" | "5184393" | "5237476" | "5301077").PN. OR ("5473486").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 10:54
S67	8	("5270888" | "5473486" | "5781377" | "5986851").PN. OR ("6373659").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 10:57
S68	69	(360/234.3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/12 10:59
S69	142	(360/234.7).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/12 10:59
S70	13	("4893203" | "5083365").PN. OR ("5469312").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 11:02
S71	11	("4639803" | "4796127").PN. OR ("4893203").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 11:03
S72	13	("4139442" | "4214946" | "4855854" | "4893203" | "5146379" | "5198934" | "5271802" | "5323283" | "5635082" | "5652687" | "5687045" | "5861103" | "5985163").PN. OR ("6623652").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 11:06
S73	24	("4219853" | "4317149" | "4405960" | "4759118" | "4800454" | "4809103" | "4823205").PN. OR ("5001591").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 11:11
S74	7	("4856181" | "4949209" | "5001591" | "5326429" | "5650897" | "5738931" | "6232563").PN. OR ("6476485").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 11:14
S75	47	("3813693" | "3975773" | "4149205" | "4152741").PN. OR ("4317149").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 11:24

S76	61	("3414971" | "3846841" | "3855625" | "3908194" | "4001890" | "4130847" | "Re29326").PN. OR ("4219853").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 11:29
S77	2359	bull and wawick ceramic	IBM_TDB	OR	ON	2005/05/12 12:33
S78	0	bull and wawick and ceramic	IBM_TDB	OR	ON	2005/05/12 12:33
S79	0	bull and wawick	IBM_TDB	OR	ON	2005/05/12 12:33
S80	0	bull and cermic	IBM_TDB	OR	ON	2005/05/12 12:33
S81	1	bull and ceramic	IBM_TDB	OR	ON	2005/05/12 12:34
S82	0	"1972" and S69 and S61	IBM_TDB	OR	ON	2005/05/12 12:34
S83	0	wawick and ceramic	IBM_TDB	OR	ON	2005/05/12 12:34
S84	37	ceramic and slider	IBM_TDB	OR	ON	2005/05/12 12:35
S85	7306	composite head	IBM_TDB	OR	ON	2005/05/12 12:36
S86	96	composite and head	IBM_TDB	OR	ON	2005/05/12 12:36
S87	3844	alignment sliders	IBM_TDB	OR	ON	2005/05/12 12:36
S88	39	alignment and sliders	IBM_TDB	OR	ON	2005/05/12 12:36
S89	24	("4219853" | "4317149" | "4405960" | "4759118" | "4800454" | "4809103" | "4823205").PN. OR ("5001591").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 13:52
S90	1	("5283491").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/12 15:09
S91	1	("5048175").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/12 15:46
S92	1	10/087332	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 15:46
S93	306	(hard adj bake or hardbake) with photoresist	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 15:47
S94	37	"360".clas. and S93	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/12 16:31

S95	1	((hard adj bak$3 or hardbak $3) with photoresist) and (silicon adj dioxide or (Si with O)) and (mr or DOMR or mre or magneto adj resist$5 or magnetoresist$5 or amr or magnetic$4 adj resist$5 or gmr$1 or spin adj valve$1 or svmr$1 or tjmr$1 or tmj$1 or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or DSV or TJM or macro adj magnetoresist$5 or macromagnetoresist$5 or piggyback or ((composite or combination or merged) adj4 head$1)).ti,ab,clm.	JPO; DERWENT	OR	ON	2005/05/12 16:34
S96	2	((hard adj bak$3 or hardbak $3) with photoresist) and (silicon adj dioxide or (Si with O))	JPO; DERWENT	OR	ON	2005/05/12 16:36
S97	369	((hard adj bak$3 or hardbak $3) with photoresist) and (silicon adj dioxide or (Si with O))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 16:35
S98	36	((hard adj bak$3 or hardbak $3) with photoresist) and (silicon adj dioxide or (Si with O)) and (mr or DOMR or mre or magneto adj resist$5 or magnetoresist$5 or amr or magnetic$4 adj resist$5 or gmr$1 or spin adj valve$1 or svmr$1 or tjmr$1 or tmj$1 or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or DSV or TJM or macro adj magnetoresist$5 or macromagnetoresist$5 or piggyback or ((composite or combination or merged) adj4 head$1)).ti,ab,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/12 16:43
S99	15	((hard adj bak$3 or hardbak $3 or cured) with photoresist) same (silicon adj dioxide or (Si with O)) same dielectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/13 09:18
S100	1	("5966800").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/13 09:38
S101	3	(("5966800") or ("6122148") or ("5001591")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/13 10:34

3/13/09 7:35:45 PM

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